

From glowbugs@theporch.com Tue Nov 12 15:44:31 1996
Return-Path: <glowbugs@theporch.com>
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com
(8.8.2/AUX-3.1.1) with SMTP id PAA28531; Tue, 12 Nov 1996 15:35:33 -0600 (CST)
Date: Tue, 12 Nov 1996 15:35:33 -0600 (CST)
Message-Id: <199611122133.QAA04372@user2.mnsinc.com>
Errors-To: conard@tntech.campus.mci.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 350
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: 0

GLOWBUGS Digest 350

Topics covered in this issue include:

- 1) Re: Transformers available
by Gordon Gekko <gekko@nwlinc.com>
- 2) Sorry I confused Brian with Jeff!
by Gordon Gekko <gekko@nwlinc.com>
- 3) Re: TNX for the AM response!
by "KF4MZD (John Kemker)" <kemkerj@xyzyzy.net>
- 4) Regen Stuff
by "Scott Alfter" <salfter@accessnv.com>
- 5) Phone rig
by Robert <KE4Q0K@worldnet.att.net>
- 6) Re: Phone rig
by "Deane D McIntyre" <dmcintyr@acs.ucalgary.ca>
- 7) BA/GB net hoopla!
by Conard Murray <conard@tntech.campus.mci.net>
- 8) Ain't that AES catalog grand!
by Gordon Gekko <gekko@nwlinc.com>
- 9) Re: BA/GB net hoopla!
by Roy Morgan <morgan@speckle.ncsl.nist.gov>
- 10) All Hands ASCII emails PLEASE
by rdkeys@csemail.cropsci.ncsu.edu
- 11) Re: Phone rig
by "Brian Carling" <bry@mail1.mnsinc.com>
- 12) Re: TNX for the AM response!
by jeffd@coriolis.com (Jeff Duntemann)
- 13) Cheap transmitting micas
by jeffd@coriolis.com (Jeff Duntemann)

- 14) BA/GB Net was Hot Last Nite (:+}}.....
by rdkeys@csemail.cropsci.ncsu.edu
- 15) AM recollection...comment on Jeff's comment
by Gordon Gekko <gekko@nwlink.com>
- 16) AM fone
by larrys@fmis02.nsc.com (Larry Szendrei, ARS NE1S)
- 17) Re: Ain't that AES catalog grand!
by Roy Morgan <morgan@speckle.ncsl.nist.gov>
- 18) Re: Ain't that AES catalog grand!
by jeffd@coriolis.com (Jeff Duntemann)
- 19) More AM recollections...
by Dave Hockaday <wb4iuy@ipass.net>
- 20) Re: Ain't that AES catalog grand!
by Roy Morgan <morgan@speckle.ncsl.nist.gov>
- 21) BA/GB net hoopla!
by tomrice@netcom.com (Tom R. Rice)
- 22) Re: More AM recollections...
by Gordon Gekko <gekko@nwlink.com>
- 23) I stand corrected!!
by Gordon Gekko <gekko@nwlink.com>
- 24) Magic Eye Magic
by jeffd@coriolis.com (Jeff Duntemann)
- 25) Re: AM recollection...comment on Jeff's comment
by "Brian Carling" <bry@mail1.mnsinc.com>
- 26) Re: BA/GB net hoopla!
by "Brian Carling" <bry@mail1.mnsinc.com>

Date: Mon, 11 Nov 1996 16:26:24 -0800 (PST)
From: Gordon Gekko <gekko@nwlink.com>
To: glowbugs@theporch.com
Subject: Re: Transformers available
Message-ID: <199611120026.QAA13705@montana.nwlink.com>

I just had to forward this to the group (hope you don't mind, Conrad). Too funny to keep to myself. (In regards to the behemoth 3.5KC transmitter I wrote about).

73's
Dave WB7AWK

>From: Conard Murray <conard@TNTECH.CAMPUS.MCI.NET>
>Subject: Re: Transformers available

>
>Sounds nifty! I wish I was close enough to take that sucker off your hands.
>It would make an excellent power supply for a pair of 3-500Z's or whatever
>you wanted to get gobs of power from.
>An idea wind a hellatiously large coil under/over/beside the street in
>front of your house. Wait for one of those goobers with the KW bass-thumper
>earthquake-producing hear-it-at-a-mile audio systems to drive by and let him
>have it with a 3500Hz tone. You might remagnetize his speakers too.
>73 de Conard, WS4S
>
>Conard Murray WS4S NNNOUTN Glowbugs Listowner
>217 Dyer Avenue BA/GB net 1802.5/3579.5/7050 KHz
>Cookeville, Tn 38501 conard@tntech.campus.mci.net
>615-526-4093 Wise men still seek Him
>
> - LICENSED ONLY TO EXTENT INDICATED ON CARTON -
>
>
>
>

Date: Mon, 11 Nov 1996 16:34:28 -0800 (PST)
From: Gordon Gekko <gekko@nwlink.com>
To: glowbugs@theporch.com
Subject: Sorry I confused Brian with Jeff!
Message-ID: <199611120034.QAA15095@montana.nwlink.com>

To those (especially Bry!) who wondered what in the world I was asking about regarding a superhet receiver project, it was in fact Jeff Duntemann and not Brian Carling who is building the nifty little superhet with 6U8's.

Sorry for the mixup!

Dave WB7AWK
gekko@nwlink.com
kenwood@nwlink.com (when I'm goofing off at work)

Date: Mon, 11 Nov 1996 22:28:06 +0000

From: "KF4MZD (John Kemker)" <kemkerj@xyzzzy.net>
To: glowbugs@theporch.com
Subject: Re: TNX for the AM response!
Message-ID: <9611120332.AA23312@ponyxprs.atlanta.med.va.gov>

Do you have any homebrew AM projects to share? I don't know about anyone else, but I'd be interested in finding a project or two to fool around with.

On 11 Nov 96 at 15:55, Robert M. Bratcher Jr. wrote:

> Good to know I'm not the only homebrew AM fan in our group. I
> thought everybody was low power CW only! I'm on 75, 40 and sometimes
> try 20 meters if the band isn't too crowded. Homebrew 813 kilowatt
> AM rigs are really nice. Takes up space in the shack but still fun!
> Cut my teeth on ham radio in 1973 by listening to the AM'ers in my
> SWL days. If it wasn't for Gene White (WA5ATH silent key) and Paul
> Wylie (WA5FHP still around but no longer active) getting on 75 AM
> almost every night I would have never known what ham radio was in
> those days.
>

73 de KF4MZD (John Kemker)
kemkerj@xyzzzy.net
73 de KF4MZD (John Kemker)
kemkerj@xyzzzy.net

Date: Mon, 11 Nov 1996 19:48:26 -0800
From: "Scott Alfter" <salfter@accessnv.com>
To: <glowbugs@theporch.com>
Subject: Regen Stuff
Message-ID: <199611120508.VAA24777@kitfox.anv.net>

I've been lurking here for a few months now...saw the thread on regenerative receivers and thought I'd put in a question or two.

I had started building a battery-powered receiver a while back...the design was a cross between two projects I found in a book. It used a 1S4 detector and 3S4 audio amplifier. I think I got a few wires crossed someplace that shouldn't have been, though, because (1) it never worked right and (2) when I returned to it a couple of months later to try to fix it, one of the D cells used to drive the filaments was dead (I think there was some filament power hooked up someplace even when the thing was supposedly "off"). Between lack of time and what would be the relatively high operating cost (two D cells for the A supply and three 9-volt batteries for B+), it ended up becoming shelfware.

In three grab bags of parts I picked up at the last Las Vegas swap (\$10 for three one-gallon Zip-Locs of assorted parts), I picked up a small handful of different types of tubes. One tube in particular, a 14F7 dual triode, looks particularly neat--and it looks like it might be of use in an AC-powered regenerative design. The specs aren't that different from the 12AX7, which was mentioned as a good candidate for this type of job. Developing a power supply shouldn't be too hard, either--A can be a simple 12V transformer (should have one or more of those around here; if not, even Radio Shack carries them) and B can be a diode (either a SS diode or the 12AF3 that also was in one of the grab bags) and a nice big electrolytic capacitor to get 120-160V B+ (depending on the type of diode used).

Does this sound doable, or am I smoking something? B+ is a bit higher than the 36V or so that has been bandied about here, but the 14F7 is good for up to 250V B+ and this simple diode-capacitor power supply would be a hell of a lot cheaper than a transformer for some mid-range voltage. The two loctals I have (a 14A7 was also in the grab bags) are neat-looking tubes and it'd be nice if I could put at least one of them to work in something.

Scott Alfter
salfter@accessnv.com

Date: Tue, 12 Nov 1996 05:24:32 +0000
From: Robert <KE4QOK@worldnet.att.net>
To: glowbugs@theporch.com
Subject: Phone rig
Message-ID: <19961112052429.AAA28094@LOCALNAME>

Hello All,

I am interested in building a tube type phone rig with about 10W of output. I prefer SSB but this is not a major requirement. My resources are somewhat limited so simple is better, but here again I am willing to work around problems if they arise.

Thanks in advance for any info that may be forthcoming.

73
KE4QOK
Bob

Date: Mon, 11 Nov 1996 23:17:05 -0700
From: "Deane D McIntyre" <dmcintyr@acs.ucalgary.ca>
To: glowbugs@theporch.com
Subject: Re: Phone rig
Message-ID: <9611120617.ZZ563456@ds1.acs.ucalgary.ca>

In message <19961112052429.AAA28094@LOCALNAME> writes:

>
> Hello All,
>
> I am interested in building a tube type phone rig with about 10W of output.
> I prefer SSB but this is not a major requirement. My resources are somewhat
> limited so simple is better, but here again I am willing to work around
> problems if they arise.
>
> Thanks in advance for any info that may be forthcoming.
>
> 73
> KE4QOK
> Bob
>

One of the projects on my (growing!) to do list is the
Low Power Phone/CW Rig for 1.8 MHz (sorry, Mc) as described
in the 1969 ARRL Handbook. It uses two 6T9 triode/pentodes, one
as the oscillator/RF output (xtal controlled) and the second
as the modulator. A 12AT7 is used as a speech amp. About 15 watts
out on 160 metres, see no reason it would not be good on 80 or 40
as well with the proper coils. This is a AM rig...a SSB rig would
be more complex.

6T9's are \$2.30 at Antique Electronic Supply.

73, Deane D McIntyre VE6BPO
dmcintyr@acs.ucalgary.ca

Date: Tue, 12 Nov 1996 01:28:01 -0600
From: Conard Murray <conard@tntech.campus.mci.net>
To: glowbugs@theporch.com
Cc: boatanchors@theporch.com
Subject: BA/GB net hoopla!
Message-ID: <1.5.4.32.19961112072801.00691c6c@tntech.campus.mci.net>

Hi radio fans!
It was a busy Monday night on 3579.5! The band is in excellent condition

with trans-contenental DX between
NA4G in North Carolina runnig a Heath HW16 and N7TM in Washington state
running a Drake 2C/2NT combo.
Also worked were several stations dropping by for the first time. Stations
on were:

KC5TJG/Geo in Wichita Falls, Texas
W5FRS/Dennis in Texas running a great sounding TCS (look ma, no chirp!)
W5TVW/Sandy in New Orleans running a SR150 into a Henry amp (WWL's second
cousin!)
N2CQR/Bill in Va running a Halli HT37/Drake 2B
VA3RP/Rod in Ontario running a Heath DX60B
NA4G/Bob in NC with a Heath HW16
N7TM/Tom in WA running a Drake 2C/2NT combo
K4MSG/Paul in Va running (classified)
AF4K/Bry in MD running (classified)
WS4S/Conard in TN running HB 6V6->6Y6/R-390A
Also heard calling but not worked was K7FJ.

How about some of you BA/GB ops in exotic DX-lands (KH6/KL7 etc.) make some
schedules with us
for a late-night session so we can work you with our flea-power rock crushers?

If you want to get in some great CW time with an excellent group of
operators, here is your chance.
Come up on 3579.5 after dark with whatever you can find that radiates a
signal. Wait until someone
turns it over to another op and send your call. With the onset of decent
propagation on 80, even
5 or 10 watts will do fine.
73 all,
de Conard, WS4S

Conard Murray	WS4S	NNN0UTN	Glowbugs Listowner
217 Dyer Avenue			BA/GB net 1802.5/3579.5/7050 KHz
Cookeville, Tn	38501		conard@tntech.campus.mci.net
615-526-4093			Wise men still seek Him

- LICENSED ONLY TO EXTENT INDICATED ON CARTON -

Date: Mon, 11 Nov 1996 23:58:25 -0800 (PST)
From: Gordon Gekko <gekko@nwlink.com>
To: glowbugs@theporch.com
Subject: Ain't that AES catalog grand!
Message-ID: <199611120758.XAA23134@montana.nwlink.com>

Hi gang,

Just got my very first AES catalog (learned about it here in the group). Wowzers, what a neat thing it is!

Anyone here not having it should. Call them at 1-800-820-5411 if you don't already have a copy. VERY good deals on our kinda stuff.

Dave

Date: Tue, 12 Nov 1996 09:18:04 -0500
From: Roy Morgan <morgan@speckle.ncsl.nist.gov>
To: glowbugs@theporch.com
Subject: Re: BA/GB net hoopla!
Message-ID: <9611121418.AA01205@speckle.ncsl.nist.gov>

At 06:29 AM 11/12/96 -0600, you wrote:

>Hi radio fans!

>It was a busy Monday night on 3579.5!

>Come up on 3579.5 after dark with whatever you can find that radiates a
>signal.

I spent yesterday installing the 7 mc trap in the inverted L and adjusting lengths.

So now, I've got the Swedish Key at the fore in front of ye olde RAL. And a fine piece of brass she be indeed.

The Venerable Viking is stoked and glowing, with twin 866's aflickering. All is ready to for the poken of the hollen in the etheren.

(I'll be on about 10 PM EST tonight.)

K1LKY (held since 1960)

-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --

Date: Tue, 12 Nov 1996 10:01:01 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: glowbugs@theporch.com
Cc: rdkeys@csemail.cropsci.ncsu.edu ()
Subject: All Hands ASCII emails PLEASE
Message-ID: <9611121501.AA113079@csemail.cropsci.ncsu.edu>

Attention All Hands.....

I don't often get up on the stump with a tirade and epistle from The Old Man to the Young Squirts (See 1920's QSTs for the history of that one), but my email handler (standard unix sendmail with elm) is having trouble with mime/metamail mailings from the list. Emails should be 100% plain flat ascii only to properly conform to unix standards. Of late certain email handlers think they own the world and want to get too fancy. If you have one of these emailers, kindly turn off any mime or metamail encoding switches, so the Boatanchors of the unix world will stay happy. I am trying to find the mime/metamail extensions and build them into my mailer but that will take some spare time (scarce these days). Until I build them into my boatanchor unix box, mime/metamail > /dev/null.

Thanks, and stump mode off.....(:+\....

73/ZUT DE THE OLD MAN GRUMPSTER.....

(man did I get up on the wrong side of the bed today or what?????)

Date: Tue, 12 Nov 1996 07:20:09 +0000
From: "Brian Carling" <bry@mail1.mnsinc.com>
To: KE4QOK@worldnet.att.net, glowbugs@theporch.com
Subject: Re: Phone rig
Message-ID: <199611121518.KAA18384@user2.mnsinc.com>

HEY! It's a reply from AF4K!

Say Bob - several of us here are going to be working on an ECL82 transmitter (Is it 6GW8 or 6BM8?) - anyway, you could start out with the basic CW transmitter and then add your SSB generator later. The tube is just right for a 10 W p.e.p. final, and it contains a triode and a pentode. Plans for the basic CW TX should be available in a few days.

On 11 Nov 96, Robert wrote:

> Hello All,
>
> I am interested in building a tube type phone rig with about 10W of
> output. I prefer SSB but this is not a major requirement. My
> resources are somewhat limited so simple is better, but here again I
> am willing to work around problems if they arise.
>
> Thanks in advance for any info that may be forthcoming.
>
> 73
> KE4QOK
> Bob
>
>

*** 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA *
** E-mail to: bry@mnsinc.com *
*** See the great ham radio resources at: *
** <http://www.mnsinc.com/bry/> *

Date: Tue, 12 Nov 1996 08:48:23 -0700
From: jeffd@coriolis.com (Jeff Duntemann)
To: bratcher@worldnet.att.net
Cc: glowbugs@theporch.com
Subject: Re: TNX for the AM response!
Message-ID: <1.5.4.32.19961112084413.00f2ba50@ntserver.coriolis.com>

Robert--

I have an AM project in the cooker in the form of the "essential" handbook modulator: The one (I'm using a 1964 handbook) that uses a pair of 6BQ6 sweep tubes at audio, working through a UTC S-19 modulation transformer. It'll plate modulate up to 50W of RF.

I'm going to try using a steel chassis (from AES) for the experience, since I've never used steel before. I have a full set of chassis punches so the only struggle will be making a hole for the S-19's jungle of solder tabs.

I haven't gone after it because there isn't much AM out here, but I have all the parts and could begin any time. Once I finish my priority project (a simple 4-tube superhet) I'll probably start in on the modulator.

But my first fone contact back in 1975 was screen modulation on my Knight

T-60 Novice rig the Friday night after I got my General in the mail. My club (Northwest Amateur Radio Club in the Chicago suburbs) had a net that night, and whereas I was the only AM signal there they were gracious about it--however, the pressure was on HARD to get on SSB. I bought a ratty old Central Electronics 10B but I never quite got a linear together with enough oomph to make a difference, and finally caved in as soon as I could and bought a Kenwood TS-520.

I do AM now and then when I hear strong signals, using my Icom (eek!) but the glowbug crowd can hear the constricted audio and always asks, What kinda ricebox you got there, Jeff? Brute power helps on AM but I really don't want to screw with power supplies well over 1000V.

I'll post my experiences with the modulator here but it's going to be a couple months yet.

Good luck and don't give up!

--73--

--Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Tue, 12 Nov 1996 08:55:56 -0700
From: jeffd@coriolis.com (Jeff Duntemann)
To: glowbugs@theporch.com
Subject: Cheap transmitting micas
Message-ID: <1.5.4.32.19961112085145.00f3fac0@ntserver.coriolis.com>

Hi gang--

Just got delivery of my order of transmitting micas from All Electronics. Fast service, by the way! Those guys are aces at getting orders out fast.

The parts are all visually intact, undamaged and usable, but all are removed from equipment and some are a little dirty. Don't see anything clean enough to be NOS. The manufacturers are mostly Sangamo (love their logo!) with the rest either Elmenco or unbranded.

I won't be able to test them until tonight but I'll report if I find any bad ones. If you don't hear from me it means the lot tested out fine.

--73--

--Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Tue, 12 Nov 1996 12:29:33 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: glowbugs@theporch.com, boatanchors@theporch.com
Cc: rdkeys@csemail.cropsci.ncsu.edu ()
Subject: BA/GB Net was Hot Last Nite (:+}}.....
Message-ID: <9611121729.AA113607@csemail.cropsci.ncsu.edu>

I, for one, am well pleased with the turnout we had and the general band conditions lately on the BA/GB QRG. I was beginning to think that it was becoming a lost cause. But, with the crew that showed up last nite it was GREAT! Lets follow the pattern for the rest of the week and the weekend and see how it goes. I was amazed to hear N7TM and K7FG so well on my puny HW-16. (Never use a HW-16 in the presence of strong locals, cuz it blocks worse than a toy regennie --- I have some 599999999 chops down on 3520 within a couple of hundred yards in two directions, and when they come on [fine ol' navy an' cg chops that can blow yer socks off an melt yer bug contacts if yer not careful], the HW-16 goes deep six from the overload.) Even the ol' RAL regenerator heard them 7's on a tiny indoor antenna, too. Mebbe tonight I will fire up Big Bertha Radiomarine and let her belch a note or two. Conard's fine lil' peanut whistle came through 599 from TN to NC. I almost turned on the ol' lady Grandma Hartley, last nite, but the shack was in too much of a mess to handle the switchover safely without standing on the ol' headbone. Sandy's lusty barnburner held the fort well, from LA. FB on the west coasters who joined in. Let the west coast be heard!

The bands are hot, the bottles they be a' glowin' brightly, an' the regeneration be on the ragged edge! Grapples ye up yer tin cans atop yer noggins, an readys ye yer keys at the fore!

73/ZUT DE NA4G/Bob UP

p.s. Anyone got a good circuit design for a 5 section LC tank tunable passband filter that I might could use to knock down the overload? I got this 'ere ancient 5 section variable somewhares that might make fer a good tunable front end on the HW-16. If I could build it strong enough to pass the 40 or so watts of RF then I could just drop it in the line. If not, then I hafta break out the QSK output to the rx section and pass it through the tuner that way.....hmmm....

Date: Tue, 12 Nov 1996 09:16:22 -0800 (PST)
From: Gordon Gekko <gekko@nwlink.com>
To: glowbugs@theporch.com
Subject: AM recollection...comment on Jeff's comment
Message-ID: <199611121716.JAA18320@montana.nwlink.com>

Jeff Duntemann said:

>But my first fone contact back in 1975 was screen modulation on my Knight
>T-60 Novice rig the Friday night after I got my General in the mail. My
>club (Northwest Amateur Radio Club in the Chicago suburbs) had a net that
>night, and whereas I was the only AM signal there they were gracious about
>it--however, the pressure was on HARD to get on SSB. I bought a ratty old
>Central Electronics 10B but I never quite got a linear together with enough
>oomph to make a difference, and finally caved in as soon as I could and
>bought a Kenwood TS-520.
>

Jeff,

Your story reminded me of why I became a virtually CW-only operator. When I was a novice (also in 1974-75 at the age of 14-15) I had a Globe Scout 680 CW/AM rig much like your T-60, and the day my General ticket came I was itching to try phone. I plugged in my mike, and tried to tune the rig but got absolutely nothing. I put the switch back to CW, and loaded just fine. Then to AM but still nothing. This went on for a day or two, but I finally gave up after not being able to figure out why the AM section was dead (my troubleshooting skills were not yet very developed!). So I went back to CW and had a ball in the general section of the band working in the 'wide open spaces' with my newly acquired Hallicrafters HA-5 VFO (still have it).

Only later did I find out that most of the AM rigs of that era required that the KEY BE REMOVED FROM THE KEY JACK before using AM to complete the cathode circuit and produce a carrier!

By the time my parents teamed up with Santa to bring me a shiny used SB-101 SSB rig, I was an OT on CW and didn't have a burning interest in phone anymore. Nowadays, I run a TS-820 in addition to my DX-60, DX-40, Drake 2C rcvr, S-120, and a newly built 6L6 transmitter (gleaned from this group - Tanks!), but never bother to use SSB.

At least now, when I fire up the DX40 and plug in a mike to say howdy in the

local

75m AM net, I remember to unplug the key!

Just my little anecdote!

Dave WB7AWK

gekko@nwlink.com

kenwood@nwlink.com (when I'm goofing off at work)

Date: Tue, 12 Nov 1996 12:31:34 -0500

From: larrys@fmis02.nsc.com (Larry Szendrei, ARS NE1S)

To: bratcher@worldnet.att.net, glowbugs@theporch.com

Subject: AM fone

Message-ID: <96111212313450@fmis02.nsc.com>

Yes, Robert, I am also fond of AM fone and am fairly active on the HF bands using the mode. I use a plethora of gear, all homebrew by yours truly, or highly modified commercial rigs. One of my creations is a legal-limit PDM/PWM AM transmitter, but that's not strictly a glowbug topic (marries those high-tech sillycon thingies with an 833A as the pulse width modulator toobe and a pair of 4-125A's in the RF deck). Another is a 6EW6 -> 6AG7 -> 6DQ6 rig which runs 35-40W output in CW for glowbuggin' or 8-10W screen-modulated AM. I like AM operation because (1) it sounds good, (2) it is practical to build transmitters and receivers that work well, and (3) the round-table operating style allows me to be in QSO while I'm working on projects at the bench.

Incidentally, I agree with Bry/AF4K that Dave/WB7AWK need not worry too much about consuming too much bandwidth, as long as the signal is free of overmodulation, distortion, and the resulting splatter. One advantage of using that audio amp as a modulator is that he can use the bass and treble controls to tailor his frequency response to conditions - when the band is crowded, attenuate both lows and highs 'cause the guy at the receiving end won't be able to take advantage of the wide range audio anyway. When the band isn't busy, go for high fidelity and there's no harm done. My approach is to design the transmitter for a flat response throughout the full audio range, and use equallization to adjust for conditions.

73,

Larry

ARS NE1S

Date: Tue, 12 Nov 1996 14:37:23 -0500
From: Roy Morgan <morgan@speckle.ncsl.nist.gov>
To: glowbugs@theporch.com
Subject: Re: Ain't that AES catalog grand!
Message-ID: <9611121938.AA04289@speckle.ncsl.nist.gov>

At 06:31 AM 11/12/96 -0600, you wrote:

>
>Hi gang,
>
>Just got my very first AES catalog
>
>Anyone here not having it should. Call them at 1-800-820-5411

I get "RV Enterprises, home of Singin' RV" with songbooks and tape cassettes!

-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --

Date: Tue, 12 Nov 1996 13:07:53 -0700
From: jeffd@coriolis.com (Jeff Duntemann)
To: morgan@speckle.ncsl.nist.gov
Cc: glowbugs@theporch.com
Subject: Re: Ain't that AES catalog grand!
Message-ID: <1.5.4.32.19961112130342.00ef2050@ntserver.coriolis.com>

Antique Electronic Supply does *not* have an 800 number for voice traffic.
They have a toll-free FAX number:

1-800-706-6789

For all voice traffic call

602-820-5411

Have NO idea who that 800 number is--it's not AES.

--73--

--Jeff Duntemann KG7JF
Scottsdale, Arizona

At 01:38 PM 11/12/96 -0600, you wrote:
>At 06:31 AM 11/12/96 -0600, you wrote:
>>
>>Hi gang,
>>
>>Just got my very first AES catalog
>>
>>Anyone here not having it should. Call them at 1-800-820-5411
>
>I get "RV Enterprises, home of Singin' RV" with songbooks and tape cassettes!
>
>
>
>-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899
>(National Institute of Standards and Technology, formerly NBS)
>301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --
>
>

Date: Tue, 12 Nov 1996 15:09:27 -0500 (EST)
From: Dave Hockaday <wb4iuy@ipass.net>
To: glowbugs@theporch.com
Subject: More AM recollections...
Message-ID: <199611122009.PAA29749@passport.ipass.net>

>Jeff Duntemann said:
>>But my first fone contact back in 1975 was screen modulation on my Knight
>>T-60 Novice rig the Friday night after I got my General in the mail.
>Jeff,

>Dave WB7AWK said:
>Your story reminded me of why I became a virtually CW-only operator. When I
>was a novice (also in 1974-75 at the age of 14-15) I had a Globe Scout 680

Boy, do you guys know how to bring back old memories! I got my novice (WN4IUY) in 1974 at age 14. I was running a Hallicrafters SX-42 rx and a homebrew 50w input TX built from an old handbook project. I ran rockbound until I got my general ticket. Once upgraded, I bought an Eico 720/modulator and a Johnson VFO-122 at the local hamfest. Boy, was I ever big-time then! 40 meters phone was fun, but the SSB guys were really giving me a lot of flack about my AM signal. I quietly began to slip back down to the CW segments...suddenly I realized how nice the general CW segment were, and hardly worked any more phone for several years.

Over the next few years I was "glo-buggin" A lot. I built several TX's: 807, 6DQ6, 2-6146 (!), and a 6T9 (I think that's right). I also built a few simple rx's from various handbooks. My commercial complement grew to a Valiant, Viking II, SX-101, HT-19, heath apache/mohawk combo, and a super-pro. There were a few more in there somewhere, but I don't remember them as well.

Anyway, so much for old memories. How many of you remember the nights when you'd turn the lights in your room off and watch the almost magical glow of the tubes in the dark??

Dave Hockaday WB4IUY
wb4iuy@ipass.net

<http://www.ipass.net/~hockaday/>
<http://www.ipass.net/~wb4iuy/>
<http://www.ipass.net/~teara/>
<http://www.geocities.com/TheTropics/3349/>
<http://www.RTPnet.org/~fcarc/>
<http://www.RTPnet.org/~rdrc/>

Date: Tue, 12 Nov 1996 15:08:47 -0500
From: Roy Morgan <morgan@speckle.ncsl.nist.gov>
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: Re: Ain't that AES catalog grand!
Message-ID: <9611122009.AA04642@speckle.ncsl.nist.gov>

At 06:31 AM 11/12/96 -0600, you wrote:

>
>Hi gang,
>
>Just got my very first AES catalog
>
>Anyone here not having it should. Call them at 1-800-820-5411

I get "RV Enterprises, home of Singin' RV" with songbooks and tape cassettes!

The info I have on them is:

Antique Electronic Supply
6221 S.Maple Avenue
Tempe,AZ 85283
(602) 820-5411
(602) 820-4643 Fax

(800) 706-6789 Also a fax.

-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --

-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --

Date: Tue, 12 Nov 1996 12:28:58 -0800 (PST)
From: tomrice@netcom.com (Tom R. Rice)
To: glowbugs@theporch.com (glowbugs)
Subject: BA/GB net hoopla!
Message-ID: <199611122028.MAA24194@netcom19.netcom.com>

> for a late-night session so we can work you with our flea-power rock crushers?
>
> If you want to get in some great CW time with an excellent group of
> operators, here is your chance.

Oh, Oh! With my seriously-deteriorated CW skills,
you'll need _patient_ & _sympatiscche_ operators
rather than excellent ones!

Guess I'll have to spend some time in the Novice
band first ;-)

73 de WB6BYH

--
"Start off every day with a smile and get it over with." --W.C.Fields
Tom R. Rice
tomrice@netcom.com
CIS: 71160,1122

Date: Tue, 12 Nov 1996 12:35:35 -0800 (PST)
From: Gordon Gekko <gekko@nwl.link.com>

To: glowbugs@theporch.com
Subject: Re: More AM recollections...
Message-ID: <199611122035.MAA26206@montana.nwlink.com>

Dave Hockaday said:

>Anyway, so much for old memories. How many of you remember the nights when
>you'd turn the lights in your room off and watch the almost magical glow of
>the tubes in the dark??
>

Being that it was just last night, the memory is quite fond!

But seriously, I know exactly what you mean. I have almost always operated in a near-dark room, with only the panel lights to log by. I now have a track light on a dimmer and lower it to that level, and still prefer to operate that way.

Also, I just finished a 6L6 xmtr that uses an OD3 regulator tube. I intentionally put a view-port on the front of the rig to allow the mystical purple light out. I now want to make up a little circuit to use a 6E5 (I think that's it) 'magic eye' as its tuning indicator, in addition to the panel meter. I have 1 of these tubes that's NOS from my teen years that never got used.

73's

Dave

Date: Tue, 12 Nov 1996 12:39:14 -0800 (PST)
From: Gordon Gekko <gekko@nwlink.com>
To: glowbugs@theporch.com
Subject: I stand corrected!!
Message-ID: <199611122039.MAA26989@montana.nwlink.com>

Thanks, Roy for straightening out my dyslexia! I mated the 800 part with the local part, and inadvertently send some calls the way of the RV place. Boy, I hope no one asked them for a good deal on a 6T9!

>>Just got my very first AES catalog

>>
>>Anyone here not having it should. Call them at ***WRONG NUMBER DELETED!***
>
>I get "RV Enterprises, home of Singin' RV" with songbooks and tape cassettes!
>
>The info I have on them is:
>
>
>Antique Electronic Supply
>6221 S.Maple Avenue
>Tempe,AZ 85283
>(602) 820-5411
>(602) 820-4643 Fax
>(800) 706-6789 Also a fax.
>
>
>
>-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899
>(National Institute of Standards and Technology, formerly NBS)
>301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --
>
>
>
>-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899
>(National Institute of Standards and Technology, formerly NBS)
>301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --
>
>
>

Date: Tue, 12 Nov 1996 14:06:20 -0700
From: jeffd@coriolis.com (Jeff Duntemann)
To: gekko@nwlinc.com
Cc: glowbugs@theporch.com
Subject: Magic Eye Magic
Message-ID: <1.5.4.32.19961112140209.00efa254@ntserver.coriolis.com>

>Also, I just finished a 6L6 xmtr that uses an OD3 regulator tube. I
>intentionally put a view-port on the front of the rig to allow the
>mystical purple light out.
>I now want to make up a little circuit to use a 6E5 (I think that's it)
>'magic eye' as its tuning indicator, in addition to the panel meter.
>I have 1 of these tubes that's NOS from my teen years that never got used.

There's a little-known Fifties-era magic eye called the 6AL7, which is a *twin* magic eye unit, where each "eye" is a rectangle of light that grows to about 1/4" X 1/2" or shrinks down to a line. I don't know what it was ever used for, but I found one in a junkbox I bought years ago and I've been itching to find something to do with it. Believe it or not, there's a whole article (by the estimable Don Stoner) on the 6AL7 and how it's used, and I'll certainly entertain notions of a good use for *two* magic eyes in a single project. Any thoughts?

Like a lot of "weird" tubes, the 6AL7GT is fairly cheap (\$3.50; cost of a so-so hamburger) at AES. It's smaller than the 6E5 and uses a standard octal base.

--73--

--Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Tue, 12 Nov 1996 13:35:48 +0000
From: "Brian Carling" <bry@mail1.mnsinc.com>
To: glowbugs@theporch.com
Subject: Re: AM recollection...comment on Jeff's comment
Message-ID: <199611122133.QAA04369@user2.mnsinc.com>

What area are you in Gordon? And where does that local AM net meet?

Is the DX-40 plate modulated or screen?
The T-60 was a good little rig, but its 30W of AM didn't carry too far when condx got rough!
I mostly ran it on 40m AM when I wasn't on CW.

*** 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA *
** E-mail to: bry@mnsinc.com *
*** See the great ham radio resources at: *
** <http://www.mnsinc.com/bry/> *

Date: Tue, 12 Nov 1996 13:35:49 +0000
From: "Brian Carling" <bry@mail1.mnsinc.com>
To: tomrice@netcom.com (Tom R. Rice)

Subject: Re: BA/GB net hoopla!

Message-ID: <199611122133.QAA04372@user2.mnsinc.com>

HEY! It's a reply from AF4K!

On 12 Nov 96, Tom R. Rice wrote:

> Oh, Oh! With my seriously-deteriorated CW skills,
> you'll need _patient_ & _sympatistische_ operators
> rather than excellent ones!
>
> Guess I'll have to spend some time in the Novice
> band first ;-)

Not at all Tom! We will be patient and go slow with you if you like.
There are enough straight key operators in this bunch to keep you
happy I am sure! And the rest of us will gladly QRS!

73, Bry AF4K

I heard that...

"The bands are hot, the bottles they be a' glowin' brightly, an' the
regeneration be on the ragged edge! Grapples ye up yer tin cans atop
yer noggins, an' readys ye yer keys at the fore!"

*** 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA *
** E-mail to: bry@mnsinc.com *
*** See the great ham radio resources at: *
** <http://www.mnsinc.com/bry/> *

End of GLOWBUGS Digest 350
